

BARBARA-W-PF

~35° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions Ø 70.0 mm
Height 41.7 mm
Fastening socket

Colour metal

Box size 480 x 280 x 300 mm

Box weight 7.7 kg

Quantity in Box 288 pcs

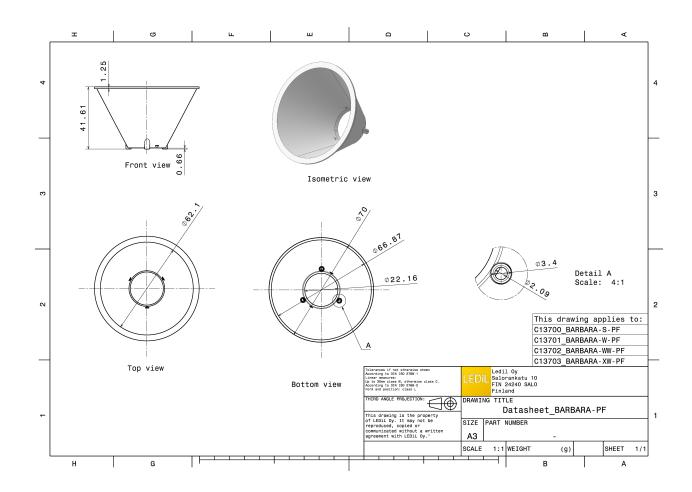
ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

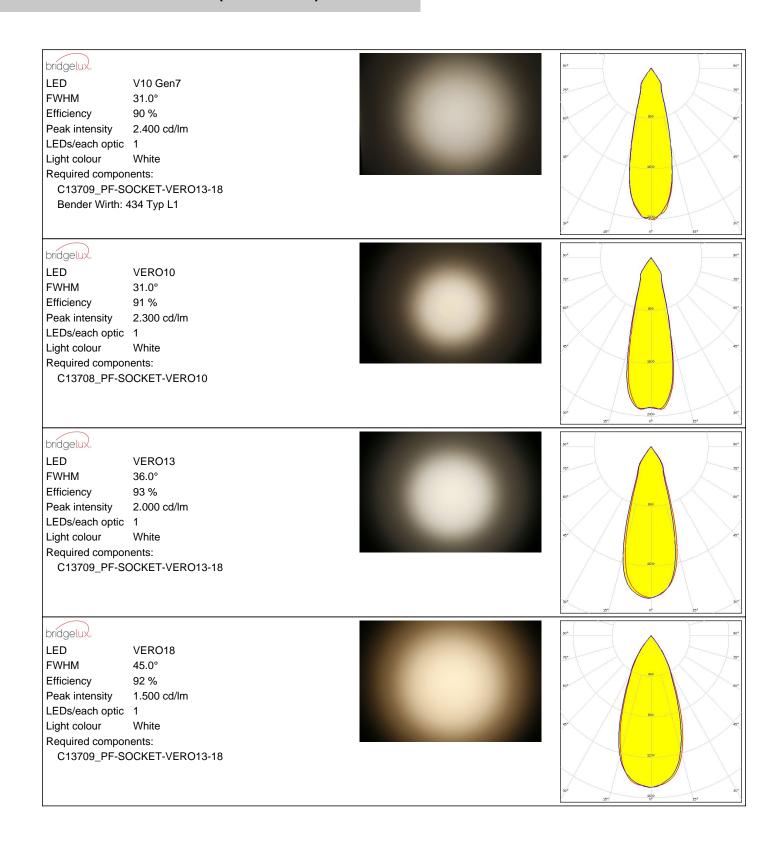
ComponentTypeMaterialColourCoatingBARBARA-W-PFReflectorPCmetalHMDS





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PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (MEASURED):

bridgelux

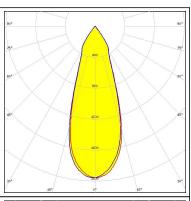
LED Xenio Point 13mm

FWHM 36.0°
Efficiency 91 %
Peak intensity 1.960 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13709_PF-SOCKET-VERO13-18





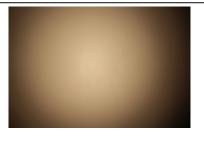
bridgelux.

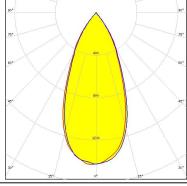
LED Xenio Point 18mm

FWHM 46.0°
Efficiency 89 %
Peak intensity 1.430 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18





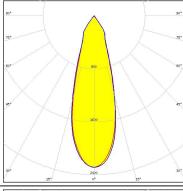
CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 32.0°
Efficiency 88 %
Peak intensity 2.300 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 434 Typ L1 •



CITIZEN

LED CLL03x/CLU03x

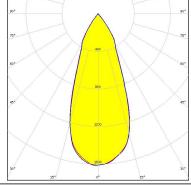
FWHM 41.0°
Efficiency 87 %
Peak intensity 1.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1





PHOTOMETRIC DATA (MEASURED):

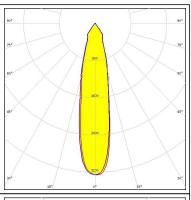
CITIZEN

LED CLU700/701 **FWHM** 22.0° 89 % Efficiency Peak intensity 3.300 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

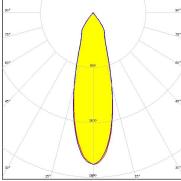


CREE

LED CXA/B 15xx **FWHM** 30.0° Efficiency Peak intensity 2.200 cd/lm

LEDs/each optic 1 Light colour White Required components: C13083_PF-SOCKET C14658_BARBARA-RZ-LENS





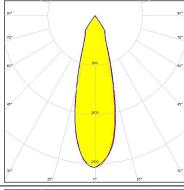
CREE ÷

LED CXA/B 15xx **FWHM** 30.0° Efficiency 88 % Peak intensity 2.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 441 Typ L1





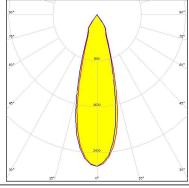
CREE &

LED CXA/B 15xx **FWHM** 30.0° Efficiency 91 % 2.640 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C14115_PF-SOCKET-CXA15-18





PHOTOMETRIC DATA (MEASURED):

CREE 💠

LED CXA/B 1816 & CXA/B 1820 & CXA 1850

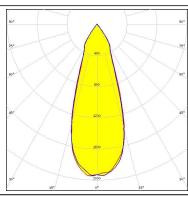
FWHM 36.0° Efficiency 88 % Peak intensity 2.000 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 437 Typ L1





CREE &

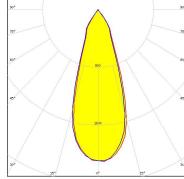
LED CXA/B 1816 & CXA/B 1820 & CXA 1850

FWHM 36.0°
Efficiency 94 %
Peak intensity 2.100 cd/lm

LEDs/each optic 1 Light colour White Required components:

C14115_PF-SOCKET-CXA15-18





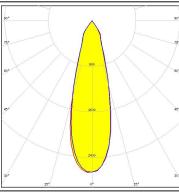
LUMILEDS

LED LUXEON CoB 1202/1203

FWHM 30.0° Efficiency 91 % Peak intensity 2.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:
C14037_PF-NSX-SOCKET





DESCRIPTION LUMILEDS

LED LUXEON CoB 1202/1203

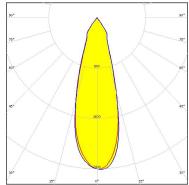
FWHM 31.0°
Efficiency 90 %
Peak intensity 2.400 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1





PHOTOMETRIC DATA (MEASURED):



LED LUXEON CoB 1202s

FWHM 20.0°
Efficiency 92 %
Peak intensity 4.100 cd/lm
LEDs/each optic 1

Light colour White Required components:

C13761_PF-SOCKET-CXA15

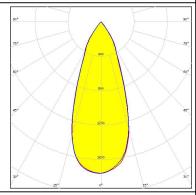


WNICHIA

LED COB J-Type
FWHM 41.0°
Efficiency 92 %
Peak intensity 1.760 cd/lm
LEDs/each optic 1

Light colour White
Required components:
C14037_PF-NSX-SOCKET





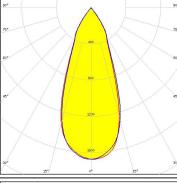
WNICHIA

LED COB J-Type
FWHM 40.0°
Efficiency 88 %
Peak intensity 1.700 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 463 Typ L2





WNICHIA

LED COB L-Type (LES 11)

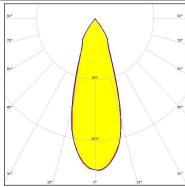
FWHM 35.0°
Efficiency 88 %
Peak intensity 2.000 cd/lm

LEDs/each optic 1 Light colour White Required components:

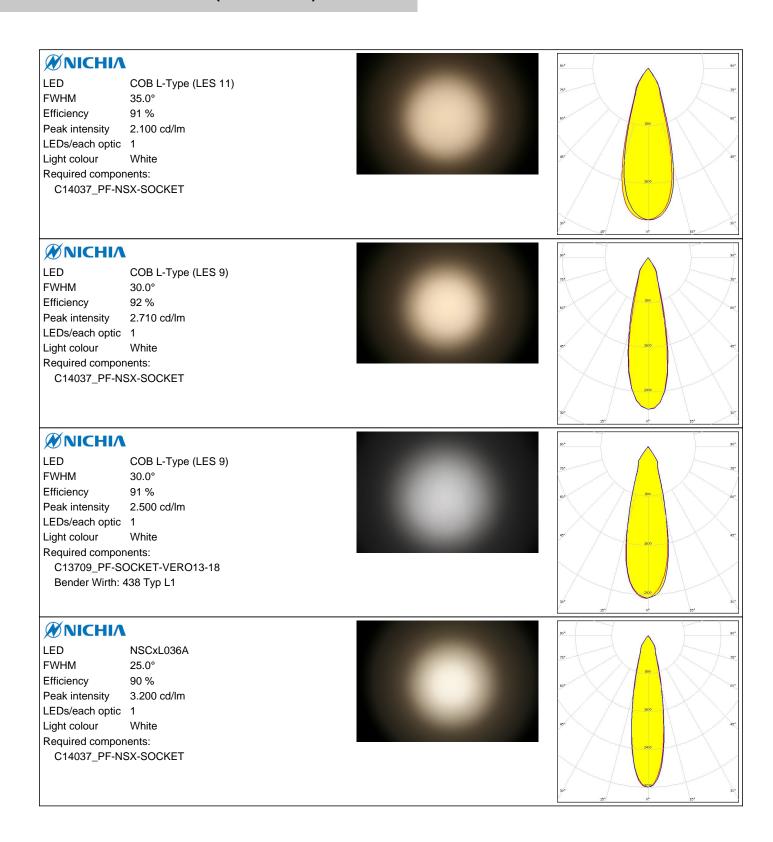
C13709_PF-SOCKET-VERO13-18

Bender Wirth: 438 Typ L1





PHOTOMETRIC DATA (MEASURED):



PHOTOMETRIC DATA (MEASURED):

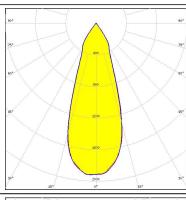
OSRAM

Department of the control of the con

Light colour White Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 437 Typ L1





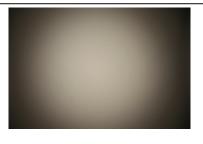
SAMSUNG

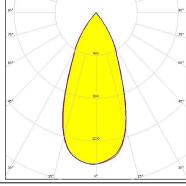
LED LC026B / 033B / 040B

FWHM 45.0°
Efficiency 87 %
Peak intensity 1.400 cd/lm
LEDs/each optic 1

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18 Bender Wirth: 450 Typ L2



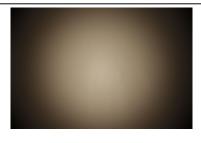


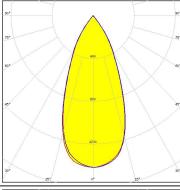
XICATO

LED XTM - 19mm LES

FWHM 45.0° Efficiency 86 % Peak intensity 1.400 cd/lm

LEDs/each optic 1
Light colour White
Required components:
C14636_XTM-PF-ADAPTER





XICATO

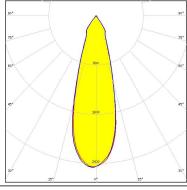
LED XTM - 9mm LES

FWHM 30.0°
Efficiency 89 %
Peak intensity 2.500 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C14636_XTM-PF-ADAPTER







PHOTOMETRIC DATA (SIMULATED):

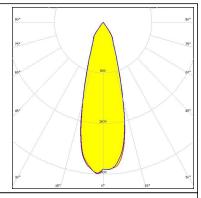
bridgelux

LED V10 Gen7 **FWHM** 31.0° Efficiency 90 % Peak intensity 2.450 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 486 Typ L1



bridgelux.

LED VERO10 **FWHM** 30.0° % Efficiency Peak intensity cd/lm

LEDs/each optic 1 White Light colour Required components:

bridgelux

LED VERO13 **FWHM** 34.0° Efficiency Peak intensity cd/lm

LEDs/each optic 1 Light colour White Required components:

bridgelux.

LED VERO18 **FWHM** 43.0° Efficiency Peak intensity cd/lm

LEDs/each optic 1 White Light colour Required components:



PHOTOMETRIC DATA (SIMULATED):

CREE ÷

LED CXA/B 15xx **FWHM** 28.0° Efficiency Peak intensity cd/lm LEDs/each optic 1

Light colour White Required components:

M LUMILEDS

LED **LUXEON CoB Compact**

FWHM 20.0° 92 % Efficiency 4.100 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C13761_PF-SOCKET-CXA15

ELUMINUS

LED CxM-14 (19x19)

FWHM 41.0° Efficiency 87 % Peak intensity 1.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1

ELUMINUS

LED CxM-9 (13.5x13.5)

FWHM 32.0° 88 % Efficiency 2.300 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

OSRAM

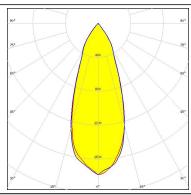
LED Soleriq S15 FWHM 39.0° Efficiency 90 %

Peak intensity 1.810 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1



SAMSUNG

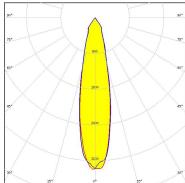
LED LC010C FWHM 23.0° Efficiency 90 %

Peak intensity 3.500 cd/lm

LEDs/each optic 1 Light colour White Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1



SAMSUNG

 LED
 LC020C

 FWHM
 27.0°

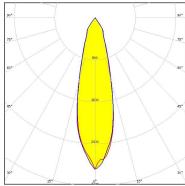
 Efficiency
 89 %

 Peak intensity
 2.900 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 479 Typ L1



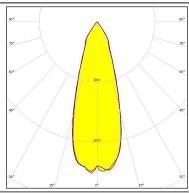
SAMSUNG

LED LC040C FWHM 33.0° Efficiency 85 % Peak intensity 2.100 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 480 Typ L1





PHOTOMETRIC DATA (SIMULATED):



 LED
 ZC12/18

 FWHM
 41.0°

 Efficiency
 87 %

 Peak intensity
 1.600 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 433 Typ L1

SEOUL SEMICONDUCTOR

 LED
 ZC4/6

 FWHM
 32.0°

 Efficiency
 88 %

 Peak intensity
 2.300 cd/lm

LEDs/each optic 1
Light colour White
Required components:

C13709_PF-SOCKET-VERO13-18

Bender Wirth: 434 Typ L1



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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